FORM PTO-1449 LIST OF REFERENCES CITED BY APPLICANT	ATTY DOCKET NO. SERIAL NI UMJ-102-C (UM-1544D1) 10/082,5		
20	APPLICANT RALPH T. YANG ET AL		
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		U.S	S. PATENT DOCUMENT				
EXAMINERS INITIALS	PATENT NO.	ISSUE DATE	PATENTEE		CLASS	SUBCLASS	FILING DATE
10	5,744,687	04/28/98	Ramachandran et al.				
10	5,713,984	02/03/98	Monnot et al.				
14	5,675,052	10/07/97	Menon et al.				
d	5,672,196	09/30/97	Acharya et al.				
11	5,656,064	08/12/97	Golden et al.			_	ļ
1	5,554,208	09/10/96	Mulihaupt et al.				
10	5,551,257	09/03/96	Jain				
a I	5,365,011	11/15/94	Ramachandran et al.				
11	5,268,023	12/07/93	Kirner			TC C	
14	4,917,711	04/17/90	Xie et al.			77 7	- - - - - - - - - -
	4,717,398	01/05/88	Pearce			8	일 유 _
W	4,019,880	04/26/77	Rabo et al.				
		FORI	EIGN PATENT DOCUMENT			- R0	
EXAMINERS INITIALS	DOCUMENT NO.	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLAS	ss su	BCLASSI	TRANSLATION
			OTHER REFERENCES		4		
11	"Olefin/Paraffin Sep	arations by Adsorption: n	r - Complexation vs. Kinetic Separ	ration" Sa	ılil U. Rege,	Joel Padin, a	and Ralph T. Yang

	OTHER REFERENCES
11	"Olefin/Paraffin Separations by Adsorption: π - Complexation vs. Kinetic Separation" Salil U. Rege, Joel Padin, and Ralph T. Yang, AlChE Journal, April 1998, Vol. 44, No. 4, pp. 799-809.
14	"SEPARATIONS Modification of Resin-Type Adsorbents for Ethane\Ethylene Separation," Zhongbiao Wu, Sang-Sup Han, Soon-Haeng Cho, Jong-Nam Kim, Kuck-Tack Chue, and Ralph T. Yang, Ind. Eng. Chem. Res. 1997, 36, 2749-2756.
IN	"Gas Separation and Purification by Polymeric Adsorbents: Flue Gas Desulfurization and So ₂ /Recovery with Styrenic Polymers", E.S. Kikkinides and R.T. Yang, Ind. Eng. Chem. Res. 1993, 32, 2365-2372.

EXAMINER	111	UA	1/1	DATE CONSIDERED	7125103

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not considered. Include a copy of this form with next communication to applicant.



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APPLICÂNT RALPH T. YANG ET AL.	
FILING DATE FERRUARY 25, 2002	GROUP 1744

	U.	S. PATENT DOCUMENT			
PATENT NO.	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE
3,992,471	11/16/76	Priegnitz			
3,785,122	01/15/74	Yatsurugi et al.			<u> </u>
3,243,471	03/29/66	Stern			
3,130,007	04/21/64	Breck			
2,882,244	04/14/59	Milton			
2,882,243	04/14/59	Milton			
2,685,607	08/03/54	Pevere et al.			
				1 -	1 O
				3 0	
	FORI	EIGN PATENT DOCUMENT			
DOCUMENT NO.	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	h.		TRANSLATION
	3,992,471 3,785,122 3,243,471 3,130,007 2,882,244 2,882,243 2,685,607	PATENT NO. ISSUE DATE 3,992,471 11/16/76 3,785,122 01/15/74 3,243,471 03/29/66 3,130,007 04/21/64 2,882,244 04/14/59 2,685,607 08/03/54 FOR	PATENT NO. ISSUE DATE PATENTEE 3,992,471 11/16/76 Priegnitz 3,785,122 01/15/74 Yatsurugi et al. 3,243,471 03/29/66 Stern 3,130,007 04/21/64 Breck 2,882,244 04/14/59 Milton 2,882,243 04/14/59 Milton 2,685,607 08/03/54 Pevere et al. FOREIGN PATENT DOCUMENT	PATENT NO. ISSUE DATE PATENTEE CLASS 3,992,471 11/16/76 Priegnitz	PATENT NO. ISSUE DATE PATENTEE CLASS SUBCLASS 3,992,471 11/16/76 Priegnitz

	OTHER REFERENCES
40	"Materials and Interfaces" Ab Initio Molecular Orbital Study of Adsorption of Oxygen, Nitrogen, and Ethylene on Silver-Zeolite and Silver Halides:, N. Chen and R.T. Yang, Ind. Eng. Chem. Res. 1996, 35, 4020-4027.
40	"New Sorbents for Olefin/Paraffin Separations by Adsorption via <i>π</i> - Complexation, R. T. Yang and E. S. Kikkinides, AlChE Journal, March 1995, Vo. 41, No. 3, pp. 509-517.
W	"Spontaneous Monolayer Dispersion of Oxides and Salts onto Surfaces of Supports: Applications to Heterogeneous Catalysis," You-Chang Xie and You-Qi Tang, Advances in Catalysis, Vol. 37, pp. 1-43.

EXAMINER W/ W, //	

DATE CONSIDERED